Team xAPI Proxy

Who made up the team?

- Ellen Meiselman
- Roger Swetnam
- Erick Emde
- Dave Smith

Who am I?

- Dave Smith, Brindle Waye
- xAPI user
- Lead member of Team xAPI Proxy

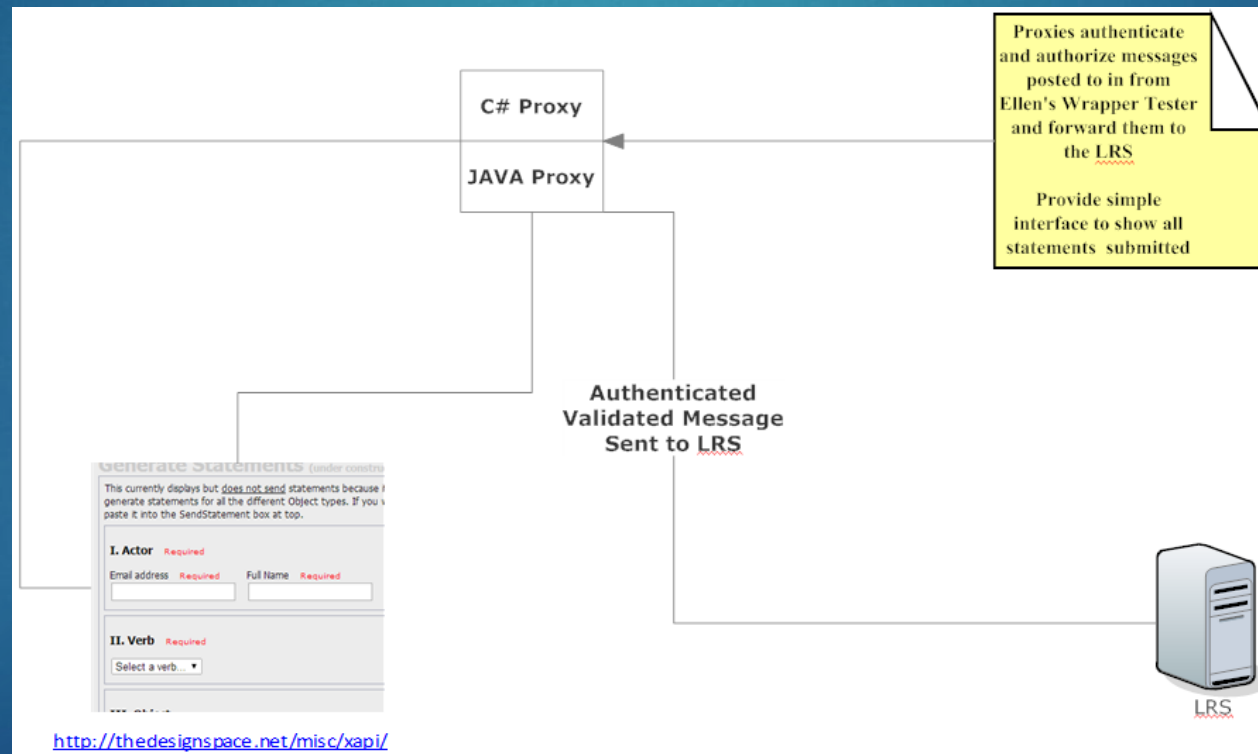# What were we trying to do?

A canonical implementation; not a product!

http://thedesignspace.net/misc/xapi/

Photo: Rebecca (Becky/Bex)

Why do we need a proxy?

Security

- Obscure LRS credentials
- Add a layer of validation
- Add a layer of authorization

Simplicity

- Ease of use
- Relieve the burden of learning the whole API
- Minimize the coding required to talk to an LRS
- But…

Security

Does this look familiar?

```
//globals: equal, responseText, statement, ok, deepEqual, QUnit, module, asyncTest,
/*jslint bitwise: true, browser: true, plusplus: true, maxerr: 50, indent: 4 */
function Config() {
    "use strict";
}


Config.endpoint = "https://cloud.scorm.com/tc/some_endpoint";
Config.user = "some_user";
Config.password = "some_password";
```

Simplify the API

Isolate and Simplify

- Client need not know how to talk xAPI
- Client need not even know it is talking to an LRS
- Combine multiple endpoints
- Encapsulate JSON
- Why JavaScript?

Emulate

- Protect existing code
- Minimally extend existing JavaScript libraries
- Minimize code re-write to gain advantage of proxy

Things I learned…

- ▶ Need to merge into existing client-side code
- ▶ Implementing REST-ful web service, in Java servlets with multiple endpoints
- ▶ Deeper understanding of the API's in the xAPI
  - ▶ State API
  - ▶ Agent Profile API
  - ▶ Activity profile API

xAPI Enabled Checklists

http://checklist.com.lily.arvixe.com

WITH THANKS TO ROGER SWETNAM AND ELLEN MEISELMAN

Where next for me?

- ▶ Create a new github repository to continue this work.

- ▶ Incorporate new things learned into the design.

- ▶ Contribute to other xAPI projects (xAPIWrapper, TinCanJS, TinCanJava, etc.)

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